

Clean Copy of the Amended Claims:

1.(amended) An isolated nucleic acid coding for a human MiRP1 polypeptide, said polypeptide having the amino acid sequence set forth in SEQ ID NO:2 or an isolated nucleic acid complimentary to said nucleic acid coding for a human MiRP1 polypeptide.

5. (amended) An allele specific probe or primer which hybridizes to a nucleic acid encoding a polypeptide of SEQ ID NO:2 under stringent hybridization conditions, wherein said stringent hybridization conditions comprise a temperature of at least 45°C with a salt concentration less than 200 mM.

7. (amended) The probe or primer of claim 6 that comprises at least ten contiguous bases of nucleic acid encoding a polypeptide of SEQ ID NO:2 or at least ten contiguous bases of nucleic acid encoding a sequence complimentary to said nucleic acid encoding a polypeptide of SEQ ID NO:2.

9. (amended) A primer suitable for performing a single base extension reaction across a polymorphic site, which primer hybridizes to a subsequence of SEQ ID NO:1 or the complement thereof, which subsequence terminates at base immediately adjacent to and 5' from a base selected from the group consisting of nucleotide numbers 95, 98, 234 or 243.

25.(amended) An *in vitro* cell transfected *in vivo* with the DNA of claim 1.

26. (amended) An *in vitro* cell transfected with the isolated nucleic acid of claim 70.

28. (amended) A vector comprising the isolated nucleic acid of claim 70.

29. (amended) An *in vitro* cell transfected with the vector of claim 27.

PG Sub C (30. (amended) An *in vitro* cell transfected with the vector of claim 28.

Clean Copy of New Claims:

69. The nucleic acid of claim 1 which is an RNA.
70. An isolated DNA coding for a mutated form of the MiRP1 polypeptide sequence set forth in SEQ ID NO:2, wherein said mutated form comprises a mutation selected from the group consisting of: a Ala at amino acid 8; a Glu at amino acid 9; a Thr at amino acid 54; and a Thr at amino acid 57.
Sub B
71. An isolated nucleic acid coding for (a) a mutated form of the nucleotide sequence set forth in SEQ ID NO:1 or (b) a nucleic acid complimentary to said nucleotide sequence, wherein said mutated form copies nucleotides 74-442 of SEQ ID NO:1 having a nucleotide change selected from the group consisting of: an A to a G at nucleotide 95; a C to a G at nucleotide 98; a T to a C at nucleotide 234; and a T to a C at nucleotide 243.
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72. An allele specific probe or primer which hybridizes to the DNA of claim 70 under stringent hybridization conditions, wherein said stringent hybridization conditions comprise a temperature of at least 45°C with a salt concentration less than 200 mM.
Sub C 1
73. The isolated nucleic acid of claim 72 which is an RNA.
Sub C 1
74. An isolated nucleic acid which comprises the nucleotide sequence set forth in SEQ ID NO:1 or a nucleic acid complimentary to said sequence.
Sub B
75. An isolated nucleic acid as in claim 74 which is an RNA.
Sub C 1
76. An isolated nucleic acid which comprises nucleotides 24 to 442 of SEQ ID NO:1.
Sub C 1
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